#### **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10	/579	64	18	 
Source:		7	1FW		
Date Processed by STIC:			5/3	0/06	

## ENTERED

### CRF Errors Edited by the STIC Systems Branch

Serial ]	Number: 10/579, 648	CRF Edit Date: 5/30/0
	Realigned nucleic acid/amino acid numbers/text text "wrapped" to the next line	in cases where the sequence
	Corrected the SEQ ID NO. Sequence numbers e	dited were:
	Inserted or corrected a nucleic number at the end NO's edited:	d of a nucleic line. SEQ ID
	Deleted: invalid beginning/end-of-file text;	page numbers
	Inserted mandatory headings/numeric identifier	s, specifically:
<del></del>	Moved responses to same line as heading/numer	ic identifier, specifically:
·	Other:	

Revised 09/09/2003



**IFWP** 

**RAW SEQUENCE LISTING**PATENT APPLICATION: **US/10/579,648**DATE: 05/30/2006

TIME: 15:45:56

Input Set : N:\AMC\PTO.AMC.txt

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4 <110> APPLICANT: BASF AKTIENGESELLSCHAFT et al.
     6 <120> TITLE OF INVENTION: METHODS FOR THE PREPARATION OF A FINE
              CHEMICAL BY FERMENTATION
     10 <130> FILE REFERENCE: BGI-160PC2
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/579,648
C--> 12 <141> CURRENT FILING DATE: 2006-05-18
     12 <150> PRIOR APPLICATION NUMBER: PCT/IB2003/006435
     13 <151> PRIOR FILING DATE: 2003-12-18
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     31 geggtacege acceattate geageatgge tgttegaaat eteeggegga caatggtgge 180
     32 caategeegt etaegteget geatgttgee ttetetetgt gategeeteg ttetteatee 240
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     34 atg gtg aaa cgt caa ctg ccc aac ccc gca gaa cta ctc gaa ctc atg
    35 Met Val Lys Arg Gln Leu Pro Asn Pro Ala Glu Leu Leu Glu Leu Met
    36
                                             10
     38 aag ttc aaa aag cca gag ctc aac ggc aag aaa cga cgc cta gac tcc
                                                                           396
     39 Lys Phe Lys Lys Pro Glu Leu Asn Gly Lys Lys Arg Arg Leu Asp Ser
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     42 gcg ctc acc atc tac gac ctg cgt aaa att gct aaa cga cgc acc cca
                                                                           444
     43 Ala Leu Thr Ile Tyr Asp Leu Arg Lys Ile Ala Lys Arg Arg Thr Pro
    44
                 35
                                                          45
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     46 gct gcc gcg ttc gac tac acc gac ggc gca gcc gag gcc gaa ctc tca
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     47 Ala Ala Ala Phe Asp Tyr Thr Asp Gly Ala Ala Glu Ala Glu Leu Ser
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    50 atc aca cgc gca cgt gaa gca ttc gaa aac atc gaa ttc cac cca gac
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     51 Ile Thr Arg Ala Arg Glu Ala Phe Glu Asn Ile Glu Phe His Pro Asp
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                                                  75
    54 atc etc aag eet gea gaa eac gta gae acc acc eaa atc etg gge
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    55 Ile Leu Lys Pro Ala Glu His Val Asp Thr Thr Thr Gln Ile Leu Gly
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     58 gga acc tec tec atg eea tte gge ate gea eea ace gge tte ace ege
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    59 Gly Thr Ser Ser Met Pro Phe Gly Ile Ala Pro Thr Gly Phe Thr Arg
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RAW SEQUENCE LISTING DATE: 05/30/2006
PATENT APPLICATION: US/10/579,648 TIME: 15:45:57

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6	7 Ala	a Gly	Ile	Pro	Phe	Thr	Leu	Ser	Thr	Leu	Gly	Thr	Thr	Ser	Ile	Glu	
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	2 14!					150					155					160	
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	-	y Tyr	_	He	Arg	Asp	Ser	_	Asn	GIY	Phe	Ser		Pro	Pro	GIn	
84			195					200					205				0.50
		acc															972
		1 Thr	Pro	ser	Thr	vaı		ASI	Ата	11e	Pro	_	Pro	Trp	Trp	Trp	
88		210	++-	a+a	200	200	215		a++	~~~	++~	220	+	~++	+	+	1020
		gac Asp															1020
	2 22!	_	FILE	пеа	1111	230	FIO	1111	шеи	GIU	235	Ата	Ser	пеп	Ser	240	
		, ggc	aas	200	ata		a a c	ctc	ata	220		aca	ata	ast	ccc		1068
		Gly					_						_	_			1000
9(		. Gly	GLY	1111	245	Gry	Asp	пец	пси	250	Ser	Ата	Mec	App	255	1111	
-		tct	tac	gaa	-	ctc	aad	atc	atc		gaa	ato	taa	cca		aan	1116
		Ser															1110
	00		- / -	260	_	200	2,5		265	_	014			270	-	270	
		c at	a qt			: ato	cac	aac			a gad	e te	c ata			c ctc	1164
																u Leu	
	)4		27	_	4			280			•	•	285	_			
10	)6 ga	ac ca	a gg	c gto	gad	ggc	cto	ato	cto	tc	aac	cac	c ggt	: qq	c cqt	t caa	1212
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1:	LO ct	c ga	c cg	c gca	a cca	gto	cca	tto	cac	cto	ct	g cca	a cag	g gta	a cg	c aag	1260
1	l1 Le	eu As	p Arg	g Ala	a Pro	Val	. Pro	Phe	His	Lei	ı Lei	ı Pro	o Glr	ı Val	l Ar	g Lys	
1:	L2 30	)5				310	)				319	5				320	
1:	l4 ga	a gt	c gga	a tct	gaa	a cca	acc	ato	ato	ato	gad	c acc	c ggd	ato	ate	g aac	1308
13	L5 G	.u Va	l Gly	y Sei	r Gli	ı Pro	Thr	: Ile	e Met	: Ile	e Asp	Th	r Gly	/ Ile	e Met	t Asn	
1:	16				325	5				330	)				33!	5	
																c ctc	1356
		y Al	a Ası	o Ile	e Val	Ala	a Ala	\Val	Ala	a Met	Gly	/ Ala	a Asp	Phe	Th	r Leu	
12				340					345					350			
																a ggc	1404
		e Gl	_	_	а Туг	Let	ı Tyr	_		ı Met	: Ala	a Gly			g Glı	ı Gly	
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RAW SEQUENCE LISTING DATE: 05/30/2006
PATENT APPLICATION: US/10/579,648 TIME: 15:45:57

Input Set : N:\AMC\PTO.AMC.txt

130 get etc etc ggt gtt tec tec etc gaa gaa etc gag cac ege cac gtc 131 Ala Leu Leu Gly Val Ser Ser Leu Glu Glu Leu Glu Pro Arg His Val 132 385 390 395 400 134 acc cag ctg gcc aag atg gtt cac gtt tet gac gac act cgt tet gca 1548 135 Thr Gln Leu Ala Lys Met Val Pro Val Ser Asp Ala Thr Arg Ser Ala 136 405 410 415 138 gcg gcg gag att taa aagtttetet cettagetat taaaaggtge ceatecegtt 139 Ala Ala Glu Ile * 405 410 415 140 420 420 420 420 420 420 420 420 420 4																acc Thr		1452
134   acc cag ctg gcc aag atg gtt cca gtt tct gac gca act cgt tct gca   1548   135   Thr Gln Leu Ala Lys Met Val Pro Val Ser Asp Ala Thr Arg Ser Ala   1636   405   410   415   41	130 131	Ala	ctc				Ser	tcc				Leu	gag				Val	1500
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146	144	2 ggatgggcac cttctcgttt cttgcaatcg gcatattcag tcaaaaaatg ttgaaat 4 <210> SEQ ID NO: 2														1660		
147																		
149						Cory	neba	acte	rium	glut	amio	cum						
151										_								
153	151	1		_		5					10					15		
155   35	153				20					25	_				30			
157	155			35					40				_	45				
159   65	157		50			_	_	55	_	_			60					
161			1111	n. 9	AIU	n. g		AIG	riie	Giu	ASII		GIU	rne	1113	110	_	
163	161					85				_	90					95	_	
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168       Asp       Val       Lys       Ala       Thr       Asn       Pro       Asn       Gly       Arg       Asn       Trp       Phe       Gln       Leu       Tyr       155       160       160       170       Val       Met       Arg       Asp       Arg       Glu       Ile       Ser       Tyr       Gly       Leu       Val       Glu       Arg       Ala       Ala       Ala       Ala       Ala       Ala       Ala       Ala       Ala       Into       Into <td< td=""><td></td><td>Ala</td><td>Gly</td><td>Ile</td><td>Pro</td><td>Phe</td><td>Thr</td><td>Leu</td><td></td><td>Thr</td><td>Leu</td><td>Gly</td><td>Thr</td><td></td><td>Ser</td><td>Ile</td><td>Glu</td><td></td></td<>		Ala	Gly	Ile	Pro	Phe	Thr	Leu		Thr	Leu	Gly	Thr		Ser	Ile	Glu	
169       145       150       155       160         170       Val       Met       Arg       Asp       Arg       Glu       Ile       Ser       Tyr       Gly       Leu       Val       Glu       Arg       Ala       Ala         171       165       165       170       170       175       175       175         172       Lys       Ala       Gly       Phe       Asp       Thr       Leu       Met       Phe       Thr       Val       Asp       Thr       Pro       Ile       Ala         173       195       180       Arg       Asp       Ser       Arg       Asp       Gly       Phe       Ser       Ile       Pro       Pro       Gln         174       Gly       Tyr       Arg       Ile       Arg       Asp       Ser       Arg       Asp       Gly       Phe       Ser       Ile       Pro       Pro       Pro       Gln         175       195       195       190       Asp       Ala       Ile       Pro       Arg       Pro       Trp       T																		
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173																		
174 Gly Tyr Arg Ile Arg Asp Ser Arg Asn Gly Phe Ser Ile Pro Pro Gln 175		-10		y		P		u				,44				110		
177       210       215       220         178       Ile Asp Phe Leu Thr Thr Pro Thr Leu Glu Phe Ala Ser Leu Ser Ser         179       225       230       235       240	174	Gly	Tyr			Arg	Asp	Ser			Gly	Phe	Ser			Pro	Gln	
178 Ile Asp Phe Leu Thr Thr Pro Thr Leu Glu Phe Ala Ser Leu Ser Ser 179 225 230 235 240		Leu		Pro	Ser	Thr	Val		Asn	Ala	Ile	Pro	-	Pro	Trp	Trp	Trp	
			Asp	Phe	Leu	Thr			Thr	Leu	Glu		Ala	Ser	Leu	Ser		
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RAW SEQUENCE LISTING DATE: 05/30/2006 PATENT APPLICATION: US/10/579,648 TIME: 15:45:57

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186	Asp	Gln	Gly	Val	Asp	Gly	Leu	Ile	Leu	Ser	Asn	His	Gly	Gly	Arg	Gln	
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188	Leu		Ara	Ala	Pro	Val	Pro	Phe	His	Leu	Leu	Pro	Gln	Val	Arg	Lvs	
	305					310					315				5	320	
		Val	Glv	Ser	Glu		Thr	Tle	Met	Tle		Thr	Glv	Tle	Met		
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	Glv	Δla	Δen	Tle	-	Δla	Δla	Val	Δla		Glv	בומ	Δen	Dha	Thr	T.011	
193	Gry	ліа	тэр	340	vai	лια	ліа	val	345	Mec	Gry	AIG	rsp	350	1111	пец	
	Tlo	C1.,	7~~		П	T 011	Пч г	C1		Mot	71-	C1	C1		C1	C1	
	тте	GIY	_	Ala	ıyı	Leu	TAL	_	ьeu	Met	Ala	GIY	_	Arg	Glu	GIA	
195	**- 7		355	ml	<b>~</b> 1.		-1-	360			<b>~1</b>	<b>-</b> 7.	365		<b>m</b> 1		
		_	Arg	Thr	тте	Ala		ьeu	Arg	ser	GIU		Tnr	Arg	Thr	Met	
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Input Set : N:\AMC\PTO.AMC.txt

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286 cctgagctgt agttgccttc atcgatgaac tgctgtacat tttgatacgt ttttccgtca 3180
287 ccgtcaaaga ttgatttata atcctctaca ccgttgatgt tcaaagagct gtctgatgct 3240
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VERIFICATION SUMMARYDATE: 05/30/2006PATENT APPLICATION: US/10/579,648TIME: 15:45:58

Input Set : N:\AMC\PTO.AMC.txt

Output Set: N:\CRF4\05302006\J579648.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

# Raw Sequence Listing before editing (for reference only)



**IFWP** 

RAW SEQUENCE LISTING DATE: 05/26/2006 PATENT APPLICATION: US/10/579,648 TIME: 08:25:28

Input Set : F:\SEQLIST.txt

Output Set: N:\CRF4\05262006\J579648.raw

- 4 <110> APPLICANT: BASF AKTIENGESELLSCHAFT et al. 6 <120> TITLE OF INVENTION: METHODS FOR THE PREPARATION OF A FINE CHEMICAL BY FERMENTATION 10 <130> FILE REFERENCE: BGI-160PC2 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/579,648 C--> 12 <141> CURRENT FILING DATE: 2006-05-18 12 <150> PRIOR APPLICATION NUMBER: PCT/IB2003/006435 13 <151> PRIOR FILING DATE: 2003-12-18
  - 15 <160> NUMBER OF SEO ID NOS: 15 17 <170> SOFTWARE: FastSEO for Windows Version 4.0

#### **ERRORED SEQUENCES**

819 <210> SEQ ID NO: 15 820 <211> LENGTH: 7561 821 <212> TYPE: DNA

822 <213> ORGANISM: Corynebacterium glutamicum

824 <400> SEQUENCE: 15 825 accatttccg ttcatttaaa gacgttcgcg cgtcaatttc atctgtactg tgtagatgca 60 826 tcaqcqqttt catcactttt ttcaqtqtga atcatcqttt aqctcaatca taccqaqaqc 120 827 gccgtttgct aactcaaccg tgcgtttttt atcgctttgc agaagttttt gactttcttg 180 828 acggaagaat gatgtgcttt tgccatagta tgctttgtta aataaagatt cttcgccttg 240 829 gtagccatct tcagttccag tgtttgcttc aaatactaag tatttgtggc ctttatcttc 300 830 tacgtagtga ggatctctca gcgtatggtt gtcgcctgag ctgtagttgc cttcatcgat 360 831 gaactgctgt acattttgat acgtttttcc gtcaccgtca aagattgatt tataatcctc 420 832 tacaccette atettcaaag agctetctga tectgatace ttaacttete cagttetcae 480 833 tgtttgtttg ccgtaatgtt taccggagaa atcagtgtag aataaacgga tttttccgtc 540 834 agatgtaaat gtggctgaac ctgaccattc ttgtgttttgg tcttttagga tagaatcatt 600 835 tgcatcgaat ttgtcgctgt ctttaaagac gcggccagcg tttttccagc tgtcaataga 660 836 agtttcgccg actttttgat agaacatgta aatcgatgtg tcatccgcat ttttaggatc 720 837 teeggetaat geaaagacga tgtgqtagee gtgatagttt gegaeagtge egteagegtt 780 838 ttgtaatggc cagctgtccc aaacgtccag gccttttgca gaagagatat ttttaattgt 840 839 ggacgaatca aattcagaaa cttgatattt ttcatttttt tgctgttcag ggatttgcag 900 840 catatcatgg cgtgtaatat gggaaatgcc gtatgtttcc ttatatggct tttggttcgt 960 841 ttctttcqca aacqcttqaq ttqcqcctcc tqccaqcagt gcggtaqtaa agqttaatac 1020 842 tgttgcttgt tttgcaaact ttttgatgtt catcgttcat gtctcctttt ttatgtactg 1080 843 tgttageggt etgettette eageceteet gtttgaagat ggeaagttag ttaegeacaa 1140 844 taaaaaaaga cctaaaatat gtaaggggtg acgccaaagt atacactttg ccctttacac 1200 845 attttaggtc ttgcctgctt tatcagtaac aaacccgcgc gatttacttt tcgacctcat 1260 846 tctattagac tctcgtttgg attgcaactg gtctattttc ctcttttgtt tgatagaaaa 1320 847 tcataaaagg atttgcagac tacgggccta aagaactaaa aaatctatct gtttcttttc 1380 848 attetetgta ttttttatag tttetgttge atgggeataa agttgeettt ttaateaeaa 1440 RAW SEQUENCE LISTING DATE: 05/26/2006 PATENT APPLICATION: US/10/579,648 TIME: 08:25:29

Input Set : F:\SEQLIST.txt

Output Set: N:\CRF4\05262006\J579648.raw

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PATENT APPLICATION: US/10/579,648 TIME: 08:25:29

Input Set : F:\SEQLIST.txt

Output Set: N:\CRF4\05262006\J579648.raw

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Input Set : F:\SEQLIST.txt

Output Set: N:\CRF4\05262006\J579648.raw

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951 g / 7561

E--> 953 bg1-160Pc2 E--> 956 - 1 -

file://C:\CRF4\Outhold\VsrJ579648.htm

VERIFICATION SUMMARYDATE: 05/26/2006PATENT APPLICATION: US/10/579,648TIME: 08:25:30

Input Set : F:\SEQLIST.txt

Output Set: N:\CRF4\05262006\J579648.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:953 M:254 E: No. of Bases conflict, LENGTH:Input:2 Counted:7567 SEQ:15 L:953 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:6 L:953 M:112 C: (48) String data converted to lower case,

M:254 Repeated in SeqNo=15

L:955 M:252 E: No. of Seq. differs, <211> LENGTH:Input:7561 Found:7567 SEQ:15